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Form PTO - 1449 U.S. EPT. OF COMMERCE PATENT AND TRADEMARK OFFICE 53-01).	SERIAL NO 09/840,697	637 L
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	TRADEN	Ahi		U.S. PATENT DOCUMENTS			90	
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing	Date
M	AA	3,800,792	04/02/74	McKnight et al.	128	156	04/17/72	
	AB	4,749,572	06/07/88	Ahari	424	132	08/21/85	
	AC	4,803,066	02/07/89	Edwards	424	132	03/18/87	
	AD	4,828,832	05/09/89	De Cuellar et al	424	618	02/26/87	
M	AE	4,952,411	08/28/90	Fox, Jr. et al.	424	618	10/18/88	
	AF	5,454,886	10/03/95	Burrell et al.	148	565	11/18/93	
	AG	5,744,151	04/28/98	Capelli	424	405	06/27/96	
9	АН	5,770,255	06/23/98	Burrell et al.	427	2.1	09/29/93	
	AI	5,792,793	08/11/98	Oda et al.	514	495	10/07/94	
	AJ	5,945,032	08/31/99	Breitenbach et al.	252	186.29	09/23/97	
	AK	6,022,547	02/08/00	Herb et al.	424	401	06/28/96	
	AL	6,071,541	06/06/00	Murad	424	616	06/11/99	
12	АМ	6,071,543	06/06/00	Thornfeldt	424	642	06/01/98	
				FOREIGN PATENT DOCUMENTS	· · · ·			
Examiner Initial		Document Number	Date	Country	Class	Subclass	Trans	
\sim							Yes	No
	AN	WO 93/23092	25/11/93	PCT	A61L	29/00		
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	AO	WO 95/13704	26/05/95	PCT	A01N	59/16		
	AP	W0 98/41095	24/09/98	РСТ	A01N	59/00		
	AQ	EP 0355009 A1	21/02/90	Europe	A61K	31/635		
	AR	EP 0 254 413	27/01/88	Europe	A 61 K	33/38		
1/2	AS	EP 0599188 A1	01/06/94	Europe	A61K	31/20		
	AT	EP 0378147 A2	18/07/90	Europe	A61K	7/48		
<u>112</u>	AU	EP 0136768 A2	10/04/85	Europe	A 61 K	33/38	· ·	
	AV	022309	06/12/90	Italy	A-81 K		Yes	
			OTHER DOCUMEN	TS (Including Author Title Date Pe	rtinont Doggo Et	·		

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J. A. Thornton, "Influence of Apparatus Geometry and Deposition Conditions on the Structure and Topography of Thick Sputtered

Coatings, J. Vac. Sci. Technol., Vol. 11(4), 666-670, 1974.

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Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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M. A	CN 1262093	9/8/00	China	A 61 K	7/02	abstract	
The AE	3 CN 1082645	23/2/94	China	D 06 M	11/83	abstract	
AC	GB 965,010	29/07/64	Great Britain	C.01 6,g			
		OTHER DOCUME	ENTS (Including Author, Title, Dat	e, Pertinent Pages, E	Etc.)		
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Substitute	Form	PT	O-1	449
(Modified)				

U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 14072-010001

Application No. 09/840,637

Information Disclosure Statement by Applicant

(Use several sheets if necessary)

Burrell et al

Applicant

Group Art Unit

(37 CFR §1.98(b))

Filing Date Group A April 23, 2001 1616

		1		nt Documents			0 8 8
Examiner Initjal	Desig. ID	Document Number	Publication Date	Patentee	Clas	s Subclass	Miling Pate If Appropriate
(1)01	AA	2002/0045049	04/18/02	Madsen			1110
V	AB	6,365,130	04/02/02	Barry et al.			()
	AC	2002/0016585	02/07/02	Sachse			
	AD	2002/0001628	01/03/02	Ito			
	AE	6,277,169	08/21/01	Hampden-Smith et al.			
	AF	2001/0010016	07/26/01	Modak et al.			
	AG	6,201,164	03/13/01	Wulff et al.			
	AH	6,197,351	03/06/01	Neuwirth			
	AI	6,187,290	02/13/01	Gilchrist et al.			
	AJ	6,165,440	12/26/00	Esenaliev			
	AK	6,123,925	09/26/00	Barry et al.		.	
	AL	6,096,002	08/01/00	Landau			
	AM	6,013,050	01/11/00	Bellhouse et al.			
	AN	6,010,478	01/04/00	Bellhouse et al.			
	AO	5,981,822	11/09/99	Addison			
	AP	5,899,880	05/04/99	Bellhouse et al.			
	AQ	5,895,419	04/20/99	Tweden et al.			
	AR	5,631,066	05/20/97	O'Brien			
	AS	5,578,073	11/26/96	Haimovich et al.			
	AT	5,569,207	10/29/96	Gisselberg et al.			
	AU	5,563,132	10/08/96	Bodaness			
	AV	5,534,288	07/09/96	Gruskin et al.			
	AW	5,520,639	05/28/96	Peterson et al.			
	AX	5,457,015	10/10/95	Boston			
	AY	5,454,889	10/03/95	McNicol et al.	,		
1	AZ	5,399,163	03/21/95	Peterson et al.			
M	AAA	5,383,851	01/24/95	McKinnon, Jr. et al.			

Date Considered

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Substitute	Form	PTO-1449
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U.S. Department of Commerce Patent and Trademark Office

Attorney's Docket No. 14072-010001 Applicant

Application No. 09/840,637

Information Disclosure Statement by Applicant

(Use several sheets if necessary)

Burrell et al Filing Date

Group Art Unit April 23, 2001 1616

(37 CFR §1.98(b))

			U.S. Pate	ent Documents				
Examiner	Desig.	Document	Publication	5.4.4				Filing Date
Initial	ID	Number	Date	Patentee	Cla	iss	Subclass	If Appropriate
	ABB	5,372,589	12/13/94	Davis				·
1	ACC	5,369,155	11/29/94	Asmus				
	ADD	Des. 349,958	08/23/94	Hollis et al.				
	AEE	5,312,335	05/17/94	McKinnon et al.				
	AFF	5,270,358	12/14/93	Asmus				
	AGG	5,236,421	08/17/93	Becher				
	АНН	5,143,717	09/01/92	Davis				
	AII	5,064,413	11/12/91	McKinnon et al.				
	AJJ	5,019,096	05/28/91	Fox, Jr. et al.	ĺ			
	AKK	4,960,413	10/02/90	Sagar et al.				
	ALL	4,847,049	07/11/89	Yamamoto				
	AMM	4,790,824	12/13/88	Morrow et al.				
	ANN	4,633,863	01/06/87	Filips et al.				
·	AOO	4,596,556	06/24/86	Morrow et al.				
	APP	4,581,028	04/08/86	Fox, Jr. et al.				
	AQQ	4,476,590	10/16/84	Scales et al.				
	ARR	4,355,636	10/26/82	Oetjen et al.				
	ASS	4,324,237	04/13/82	Buttaravoli				
	ATT	4,059,105	11/22/77	Citruzzula et al.				
	AUU	3,918,446	11/11/75	Buttaravoli				
400	AVV	3,757,786	09/11/73	Smith				

	Foreig	n Patent Doo	cuments or P	ublished Foreign	Patent A	pplication	าร	
Examiner	Desig.	Document	Publication	Country or			Trans	lation
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
	AWW	02/44625	06/06/02	WIPO				
M	AXX	02/18003	03/07/02	WIPO				
	AYY	02/15698	02/28/02	WIPO	/			-

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Substitute Form PTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 14072-010001

Application No. 09/840,637

Information Disclosure Statement by Applicant (Use several sheets if necessary)

Applicant Burrell et al

Group Art Unit

(37 CFR §1.98(b))

Filing Date April 23, 2001 1616

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Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Tran Yes	station
150	AZZ	CN1328819	01/02/02	CN (full document)	Class	Oubclass	165	X
	4444	CN1328819	01/02/02	CN (abstract only)			X	
	ABBB	CN1328827	01/02/02	CN (full document)				X
 		CN1328827	01/02/02	CN (abstract only)			X	
	ADDD	1 159 972	12/05/01	EP				
	AEEE	CN1322474	11/21/01	CN (full document)			 	X
	AFFF	CN1322474	11/21/01	CN (abstract only)			X	
	AGGG	CN1322874	11/21/01	CN (full document)				x
,	АННН	CN1322874	11/21/01	CN (abstract only)			x	
	AIII	01/74300	10/11/01	WIPO				
	AJJJ	01/70052	09/27/01	WIPO				
	AKKK	CN1306117	08/01/01	CN (full document)				X
,	ALLL	CN1306117	08/01/01	CN (abstract only)			X	
	AMMM	01/43788	06/21/01	WIPO				
	ANNN	01/41819	06/14/01	WIPO				
	A000	01/41774	06/14/01	WIPO				
	APPP	01/34686	05/17/01	WIPO		·		
	AQQQ	01/27365	04/19/01	WIPO				
	ARRR	CN1291666	04/18/01	CN (full document)				X
1	ASSS	CN1291666	04/18/01	CN (abstract only)			Х	
	ATTT	CN1291667	04/18/01	CN (full document)				х
,	AUUU	CN1291667	04/18/01	CN (abstract only)			Х	
	AVVV	01/24839	04/12/01	WIPO				
	AWWW	01/15710	03/08/01	WIPO				
	AXXX	CN1279222	01/10/01	CN (full document)				X
	AYYY	CN1279222	01/10/01	CN (abstract only)			Х	
	AZZZ	00/64505	11/02/00	WIPO				

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attomey's Docket No. 14072-010001	Application No. / 09/840,637
	closure Statement	Applicant Burrell et al	9
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[][AAAAA	00/64506	11/02/00	WIPO		-	O,	1
	ABBBB	00/44414	08/03/00	WIPO			The state of the s	1
	ACCCC	00/30697	06/02/00	WIPO				
	ADDDD	CN1241662	01/19/00	CN (full document)				X
/	AEEEE	CN1241662	01/19/00	CN (abstract only)			X	
	AFFFF	2,242,033	01/03/99	CA				
	AGGGG	98/51273	11/19/98	WIPO				
	АНННН	0780138	06/25/97	EP				
	AIIII	92/13491	08/20/92	WIPO				
	AJJJJ	0 378 147	07/18/90	EP				
	AKKKK	3807944	09/21/89	DE (full document)				X
	ALLLL	3807944	09/21/89	DE (abstract only)			Х	
	AMMMM	0 356 060	08/07/89	EP				
	ANNNN	87/07251	12/03/87	WIPO			·	
	A0000	60-21912	02/04/85	JP (full document)				X
	APPPP	60-21912	02/04/85	JP (abstract only)			Х	
	AQQQQ	Sho 58- 126910	02/04/85	JP (full document)				Х
	ARRRR	Sho 58- 126910	02/04/85	JP (abstract only)			х	
	ASSSS	2 140 684	12/05/84	UK				
	ATTTT	2 073 024	10/14/81	UK				
	AUUUU	2748882	05/03/79	DE (full document)				Х
	AVVVV	2748882	05/03/79	DE (abstract only)			х	
V	AWWWW	427,106	4/16/35	UK				
m	AXXXX	420,052	11/23/34	UK				Î

	Other Do	ocuments (include Author, Title, Date, and Place of Publication)
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14072-010001	Application No. 09/840,637	
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Burrell et al		
		Filing Date April 23, 2001	Group Art Unit 1616	

	Other Documents (include Author, Title, Date, and Place of Publication)				
Examiner	Desig.				
Initial	ID	Document			
D	AYYYY	Shigemasa et al., "Applications of Chitin and Chitosan for Biomaterials" Biotechnology & Genetic Engineering Reviews Vol. 13 (14) pp. 383-420 (DATE-UNAVAILABLE),			
	AZZZZ	Thornton, "Deposition Technologies for Films and Coatings: Coating Deposition by Sputtering" Materials Science Series 5 pp. 170-243 (1982).			

Examiner Signature

Date Considered

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	Information Disclosure Statement		Applicant Burrell et al		
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Ì	Examiner Initial	Desig.	Document Number	Publication Date	Patentee	CI	ass	Subclass	If Appropriate
	7)	AA	2002/0192298 A1	12/19/02	Burrell et al.			1	
		AB	2002/0051824 A1	05/02/02	Burrell et al.				
l		AC	6,333,093	12/25/01	Burrell et al.		<u> </u>		<u> </u>
,		AD	6,238,686	05/29/01	Burrell et al.		_	· ·	
	 	AE	6,017,553	01/25/00	Burrell et al.		_		
		AF	5,985,308	11/16/99	Burrell et al.	_	<u> </u>		
		AG	5,958,440	09/28/99	Burrell et al.				
		AH	5,848,995	12/15/98	Walder		1		
		AI ·	5,837,275	11/17/98	Burrell et al.		\perp		<u> </u>
	- -	AJ	5,770,258	06/23/98	Takizawa ,		$oldsymbol{\perp}$		
		AK	5,753,251	05/19/98	Burrell et al.		\perp		<u> </u>
	- -	AL	5,681,575	10/28/97	Burrell et al.	_	\perp		
	2n	AM	5,454,886	10/03/95	Burrell et al.		<u>/</u>		

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7),	AN	02/09729	02/07/02	WIPO				
	AO	01/80920	11/01/01	WIPO				<u> </u>
	AP	01/68179 A1	09/20/01	WIPO			ļ	
_	AQ	01/49301	07/12/01	WIPO				
	AR	2000327578	11/28/00	JP (full document)			ļ	X
1 ;	AS	2000327578	11/28/00	JP (abstract only)			X	
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	AU	0 328 421 A2	08/16/99	EP	_		 	
	AV	11124335	05/11/99	JP (full document)			 - -	X
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Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Burrell et al		
		Filing Date April 23, 2001	Group Art Unit 1614	-

	Foreign Patent Documents or Published Foreign Patent Applications										
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Ī			AZ	11060493	03/02/99	JP (full document)					x
		1	AAA	11060493	03/02/99	IP (abstract only)				X_	
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	<u> </u>		ACC	0681841	11/15/95	EP				,	
		\neg	ADD	95/13704	05/26/95	WIPO					
	0)		AEE	93/23092	11/25/93	WIPO			/		

Other Documents (include Author, Title, Date, and Place of Publication)						
Examiner	Desig.					
Initial	ID	Document				
AFF Sant et al., "Morphology of Novel Antimicrobial Silver Films Deposited By Magnetron Sputtering" Scripta Materiala, Vol. 41, No. 12, pp. 1333-1339, November 19, 1999						

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next communication to applicant.		-Maria Diagla